

IFW16

RAW SEQUENCE LISTING

DATE: 07/21/2004 TIME: 10:47:47

PATENT APPLICATION: US/09/550,163C

Input Set : A:\150suppseqlistrev.txt
Output Set: N:\CRF4\07212004\I550163C.raw

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3 <110> APPLICANT: University of Utah Research Foundation
         Yale University
         Abbott, Geoffrey W
         Sesti, Federico
         Splawski, Igor
         Keating, Mark T
         Goldstein, Steve A.N.
11 <120> TITLE OF INVENTION: MinK-Related Genes, Formation of Potassium Channels and
        Association with Cardiac Arrythmia
14 <130> FILE REFERENCE: 2323-150.a
16 <140> CURRENT APPLICATION NUMBER: 09/550,163C
17 <141> CURRENT FILING DATE: 2000-04-14
19 <150> PRIOR APPLICATION NUMBER: US 60/129,404
20 <151> PRIOR FILING DATE: 1999-04-15 ·
22 <160> NUMBER OF SEQ ID NOS: 22
23 <170> SOFTWARE: PatentIn version 3.1/2.0
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41 gac gtc ttc cga agg att ttt att act tat atg gac aat tgg cgc cag
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42 Asp Val Phe Arg Arg Ile Phe Ile Thr Tyr Met Asp Asn Trp Arg Gln
           15
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45 aac aca aca gct gag caa gag gcc ctc caa gcc aaa gtt gat gct gag
46 Asn Thr Thr Ala Glu Gln Glu Ala Leu Gln Ala Lys Val Asp Ala Glu
47
49 aac ttc tac tat gtc atc ctg tac ctc atg gtg atg att gga atg ttc
50 Asn Phe Tyr Tyr Val Ile Leu Tyr Leu Met Val Met Ile Gly Met Phe
                                                                     301
53 tot tto ato ato gtg gcc ato ctg gtg age act gtg aaa too aag aga
54 Ser Phe Ile Ile Val Ala Ile Leu Val Ser Thr Val Lys Ser Lys Arg
                                        70
                                                            75
                    65
57 cqq qaa cac tcc aat qac ccc tac cac caq tac att qta qag gac tgg
58 Arg Glu His Ser Asn Asp Pro Tyr His Gln Tyr Ile Val Glu Asp Trp
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85

80

59

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62 Gln Glu Lys Tyr Lys Ser Gln Ile Leu Asn Leu Glu Glu Ser Lys Ala
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                               100
65 acc atc cat gag aac att ggt gcg gct ggg ttc aaa atg tcc ccc
                                                                      442
66 Thr Ile His Glu Asn Ile Gly Ala Ala Gly Phe Lys Met Ser Pro
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                           115
69 tgataaggga gaaaggcacc aagctaacat ctgacgtcca gacatgaaga gatgccagtg 502
71 ccacgaggca aatccaaatt gtctttgctt agaagaaagt gagttccttg ctctttgttg 562
73 agaattttca tggagattat gtggttggcc aataaagata gatgacattt caatctcagt 622
75 gatttatgct tgcttgttgg agcaatattt tgtgctgaag acctctttta ctttccgggc 682
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95 Val Ile Leu Tyr Leu Met Val Met Ile Gly Met Phe Ser Phe Ile Ile
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98 Val Ala Ile Leu Val Ser Thr Val Lys Ser Lys Arg Arg Glu His Ser
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101 Asn Asp Pro Tyr His Gln Tyr Ile Val Glu Asp Trp Gln Glu Lys Tyr
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126 Thr Gln Thr Leu Glu Asp Ala Phe Lys Lys Val Phe Ile Thr Tyr Met
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129 gac agc tgg agg agg aac aca aca gcc gaa caa cag gcg ctc cag gcc
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	gtg aag tcg aag		rag cac	tcc c		cca tac		tac 295	
	Val Lys Ser Lys								
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	Ile Val Glu Asp								
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	Lys Val Phe Ile		Wet Asn			Ara Aan		Δla	
170	20	IIII IYI I	day 33r	25	rp mg	mg man	30		
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208 209	Glu	Thr	Trp 10	Tyr	Glu	Ser	Leu	H1S	Ala	Val	Leu	Lys	A1a 20	Leu	Asn	Ala	
	act																209
	Thr		His	Ser	Asn	Leu		Cys	Arg	Pro	Gly		Gly	Leu	Gly	Pro	
213		25					30					35	~~~		~~+	~~~	257
	gac Asp																257
217		11511	O.I.I.	1111	Olu	45	1119	1119	1114	DCI	50	110	0.1	**** 9	ı.op	55	
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	Asn																
221					60					65					70		
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282	atg gag act	tcc aac ggg act	gag acc tgg tac	atg agc ctc cat gct	288
283	Met Glu Thr	Ser Asn Gly Thr	Glu Thr Trp Tyr	Met Ser Leu His Ala	
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286	gtg ctg aag	gct ctg aac aca	acc ctt cac agt	cac ttg ctc tgc cgg	336
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VERIFICATION SUMMARY

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